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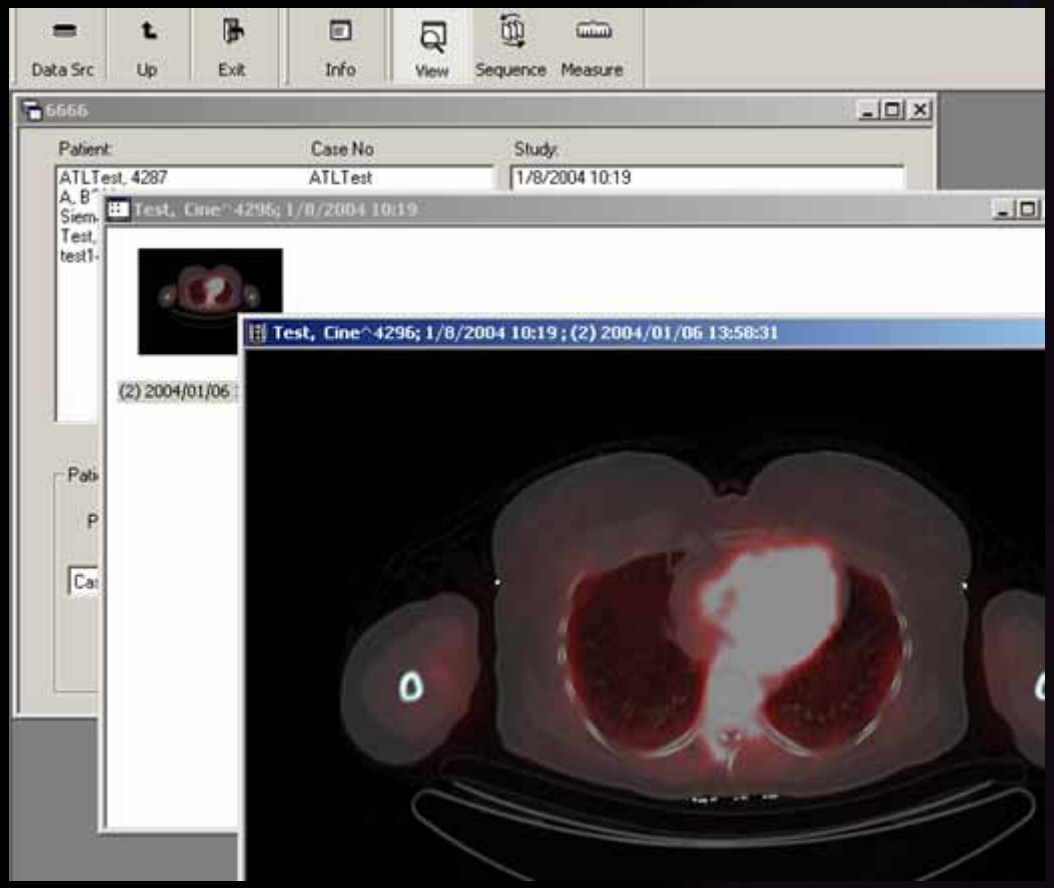

Preview 32 Software

CR IMAGING & acrin

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BACKGROUND

Funded – 1999
1st Trial opened – 2000

7 trials open
9 trials closed
3 trials in development

76,500 total patients accrued
Digital Mammography Institutional Screening Trial (DMIST)
National Lung Screening Trial (NLST)

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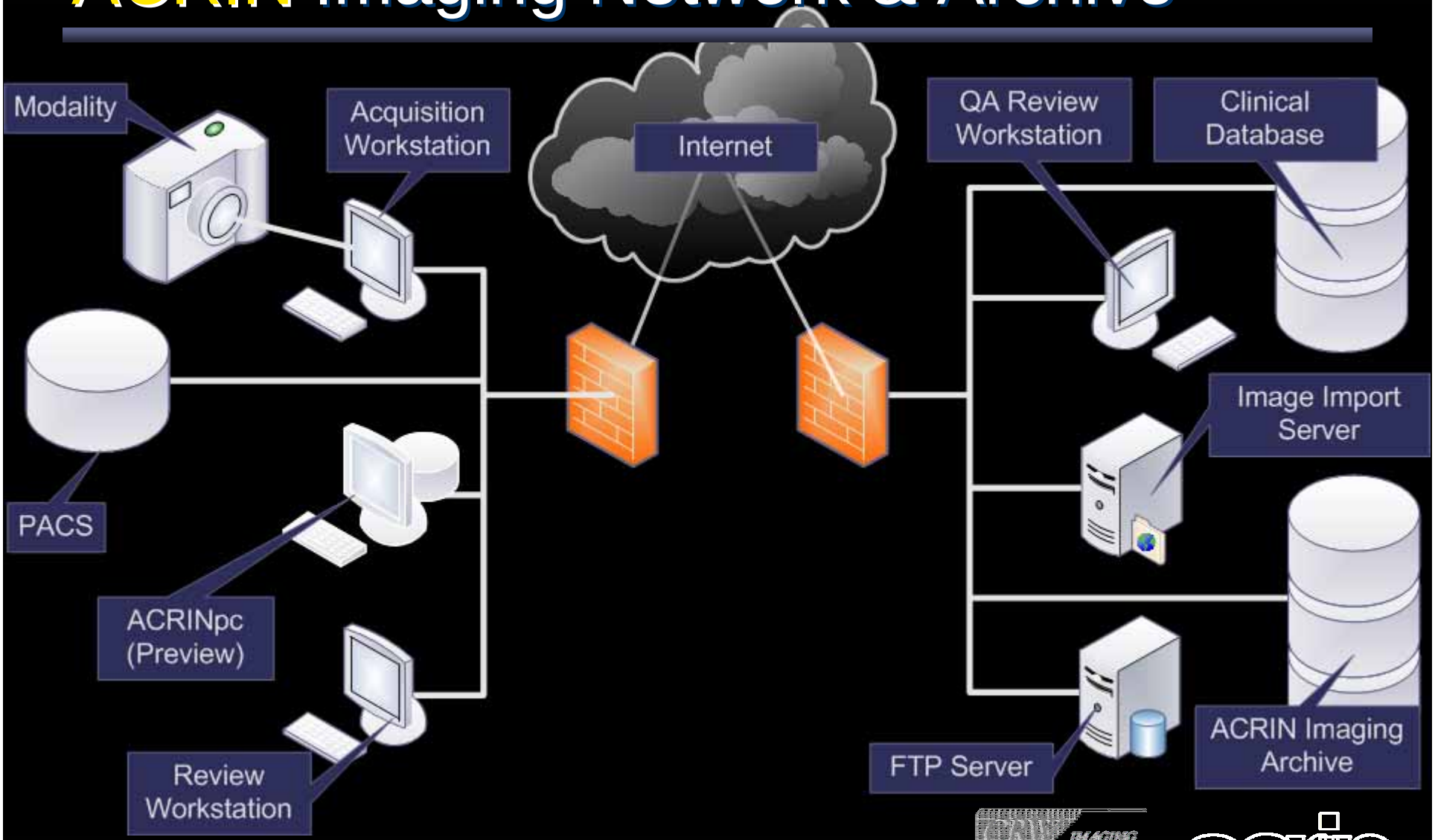

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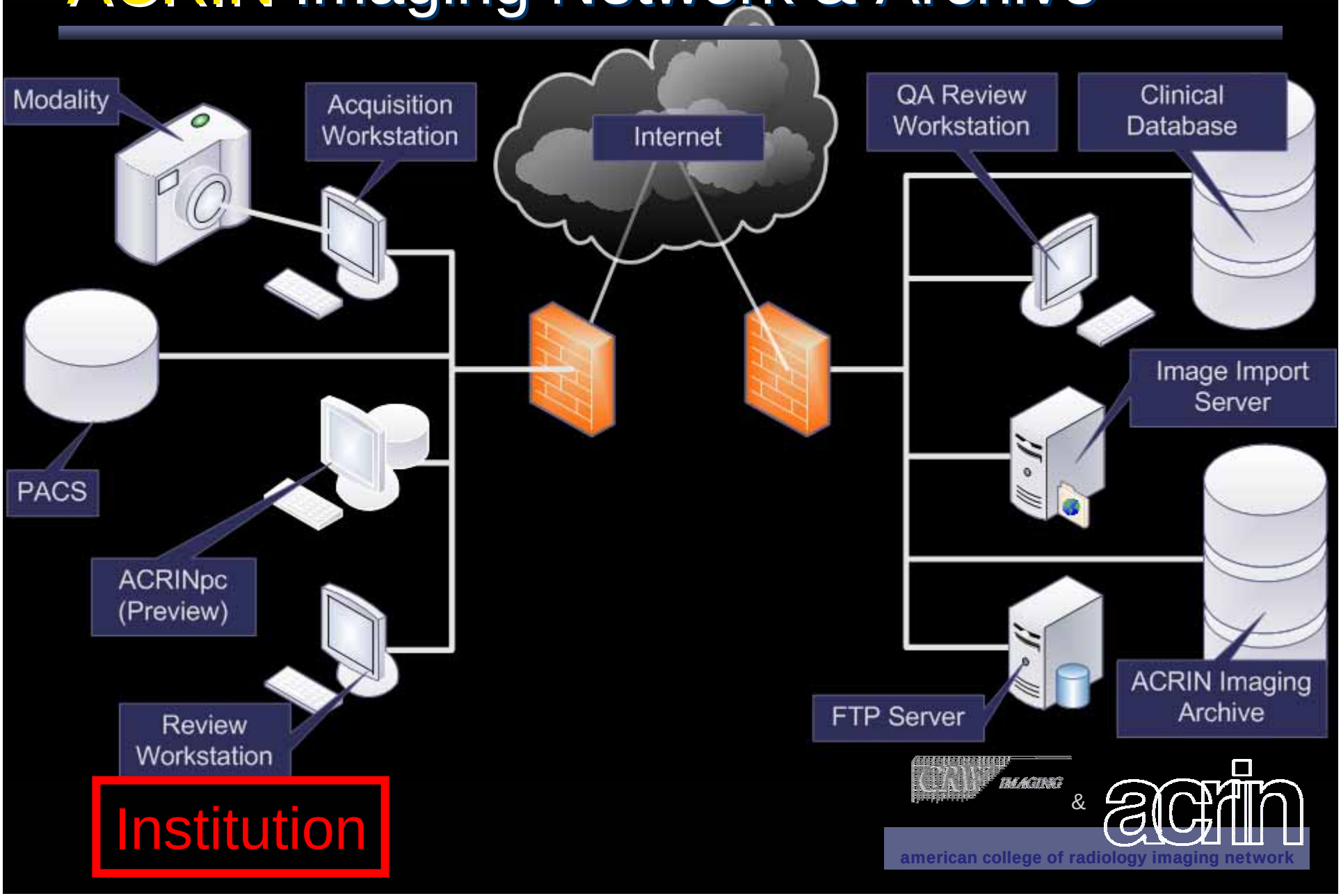

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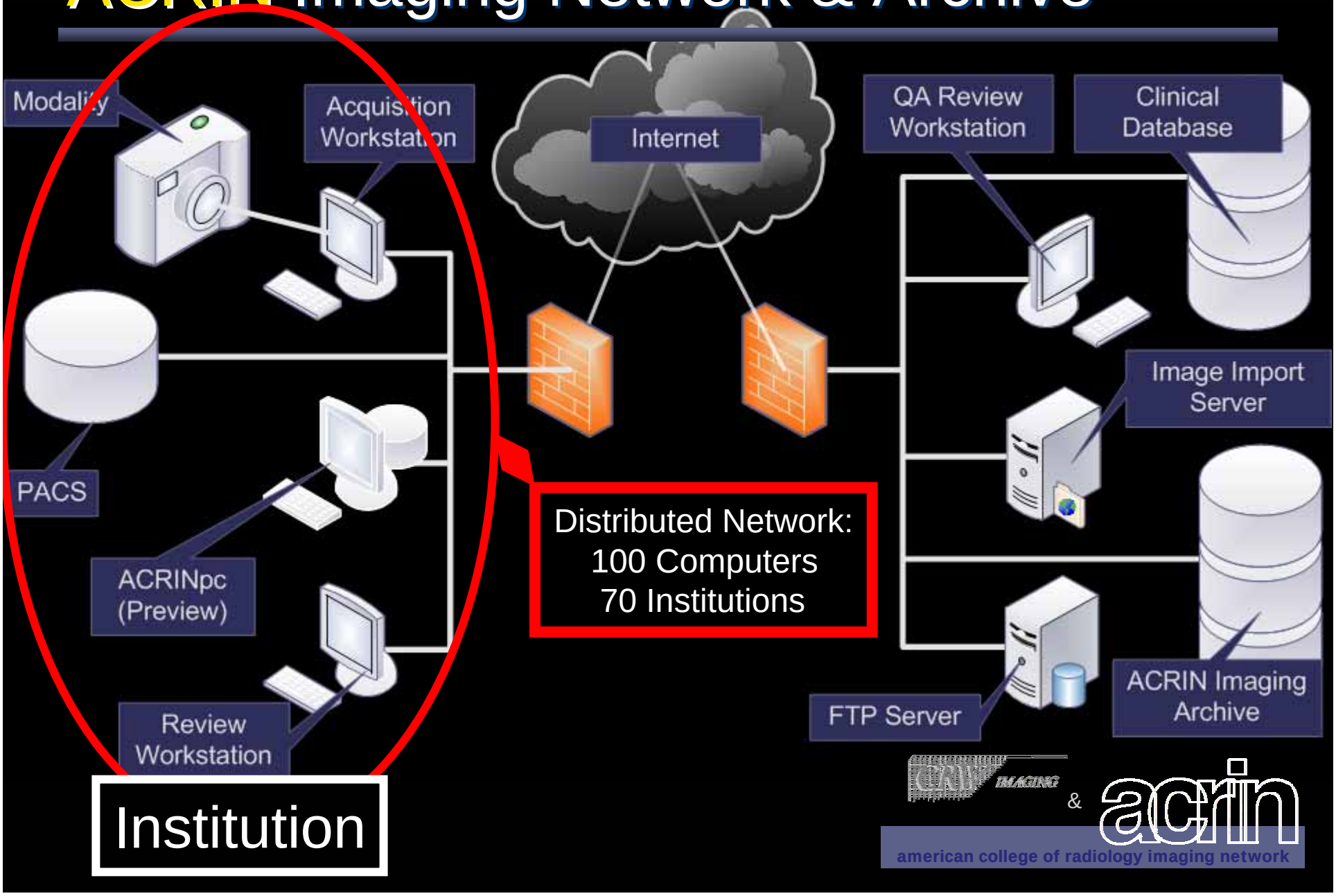

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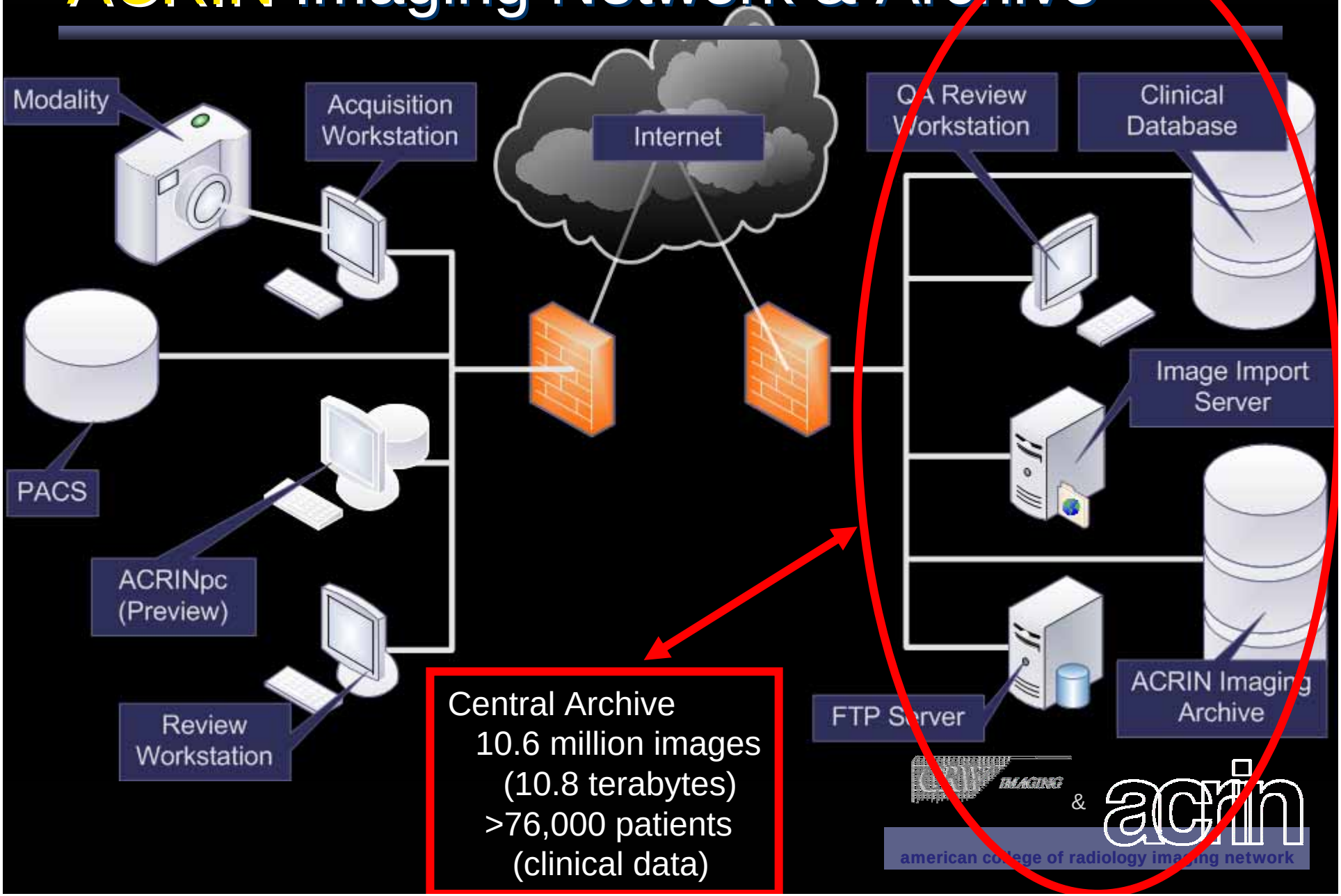

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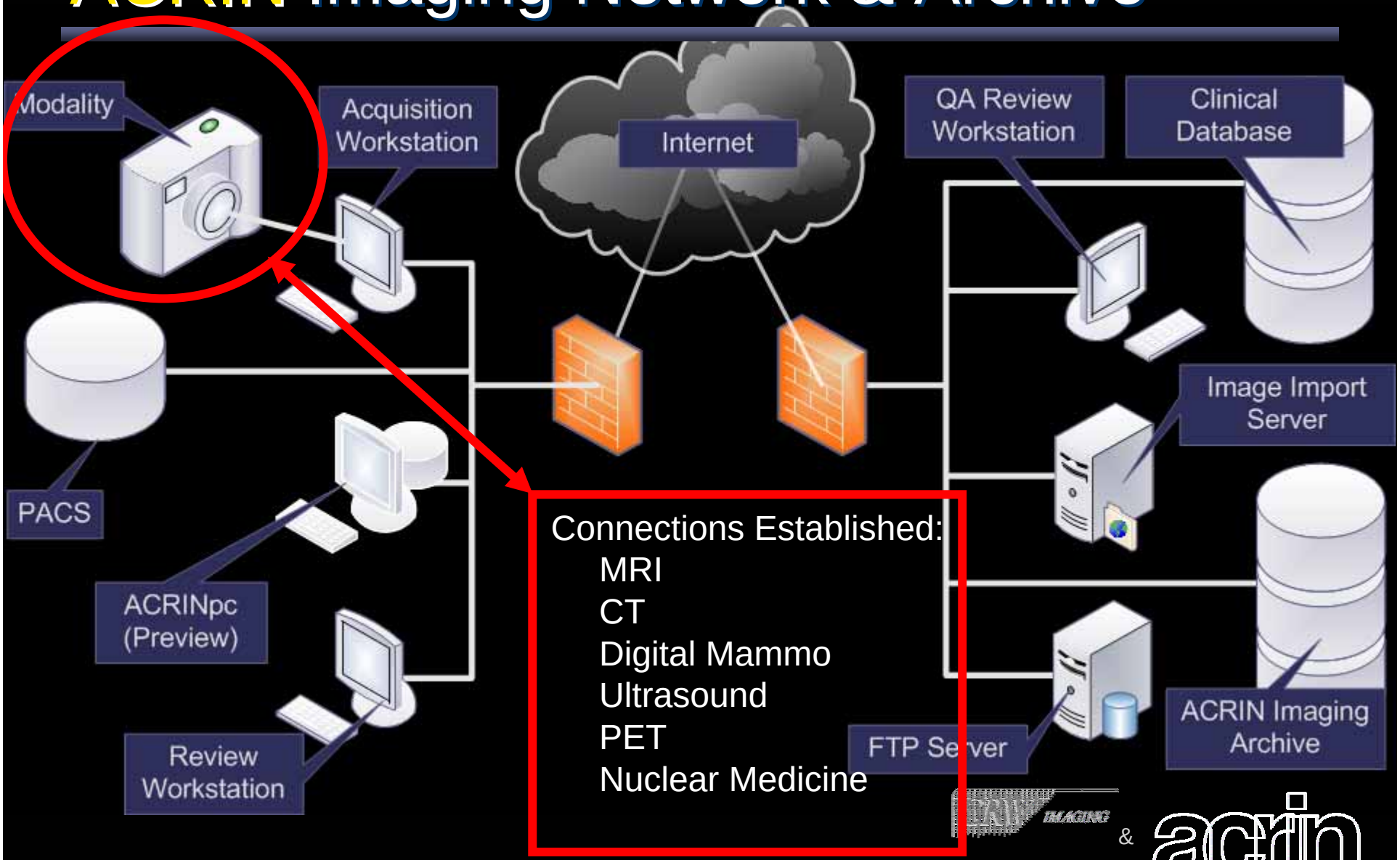

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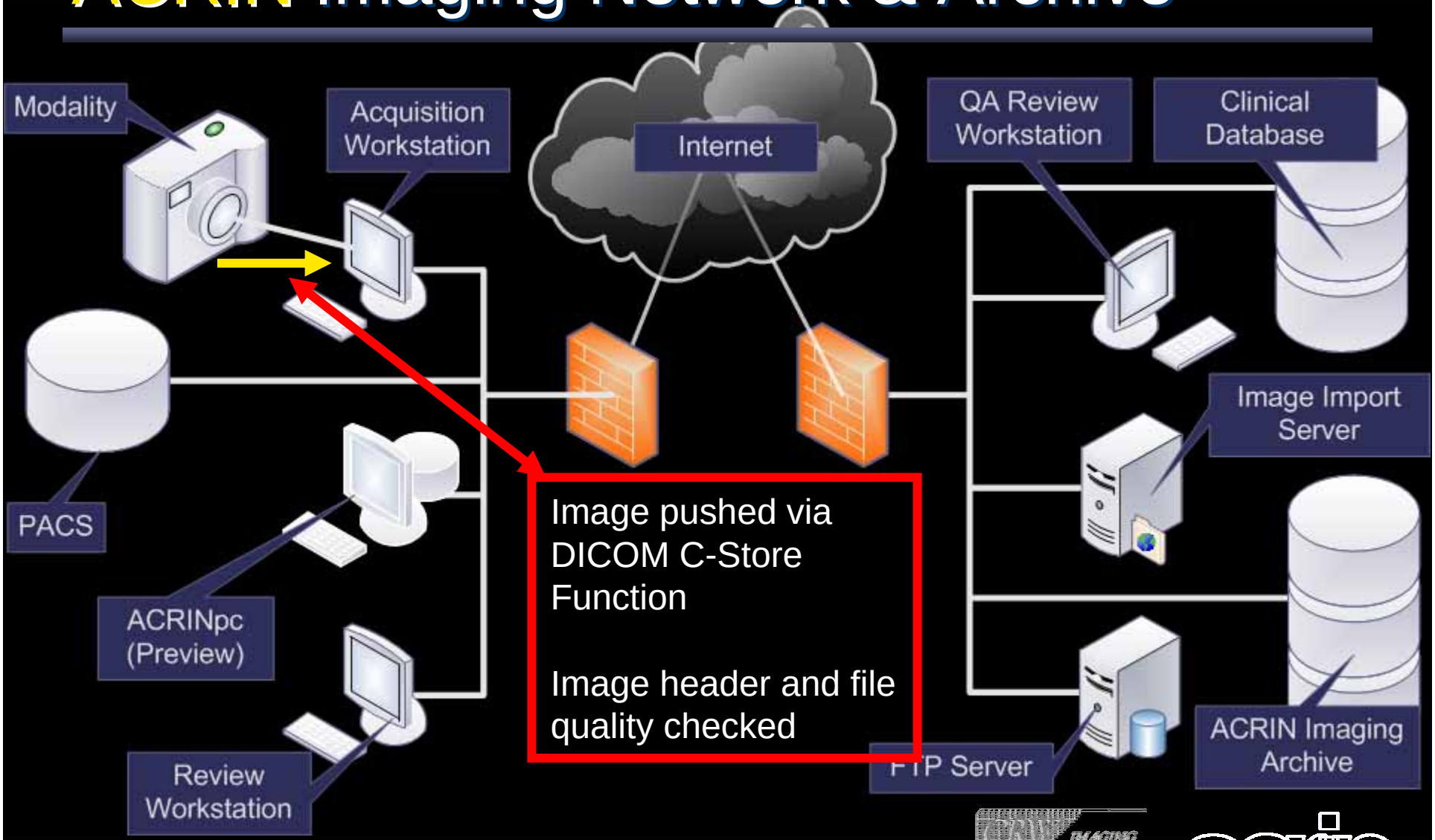

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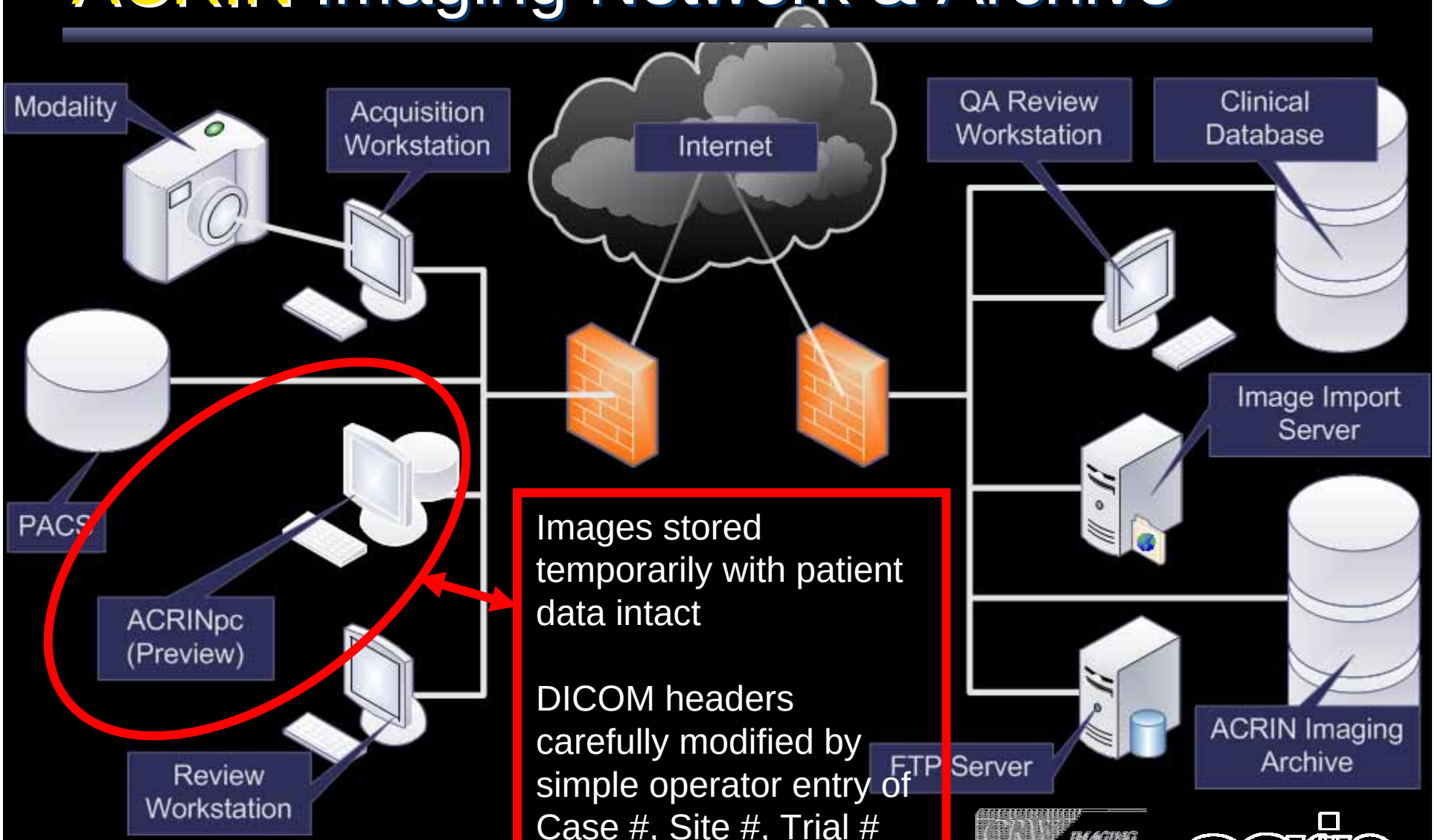

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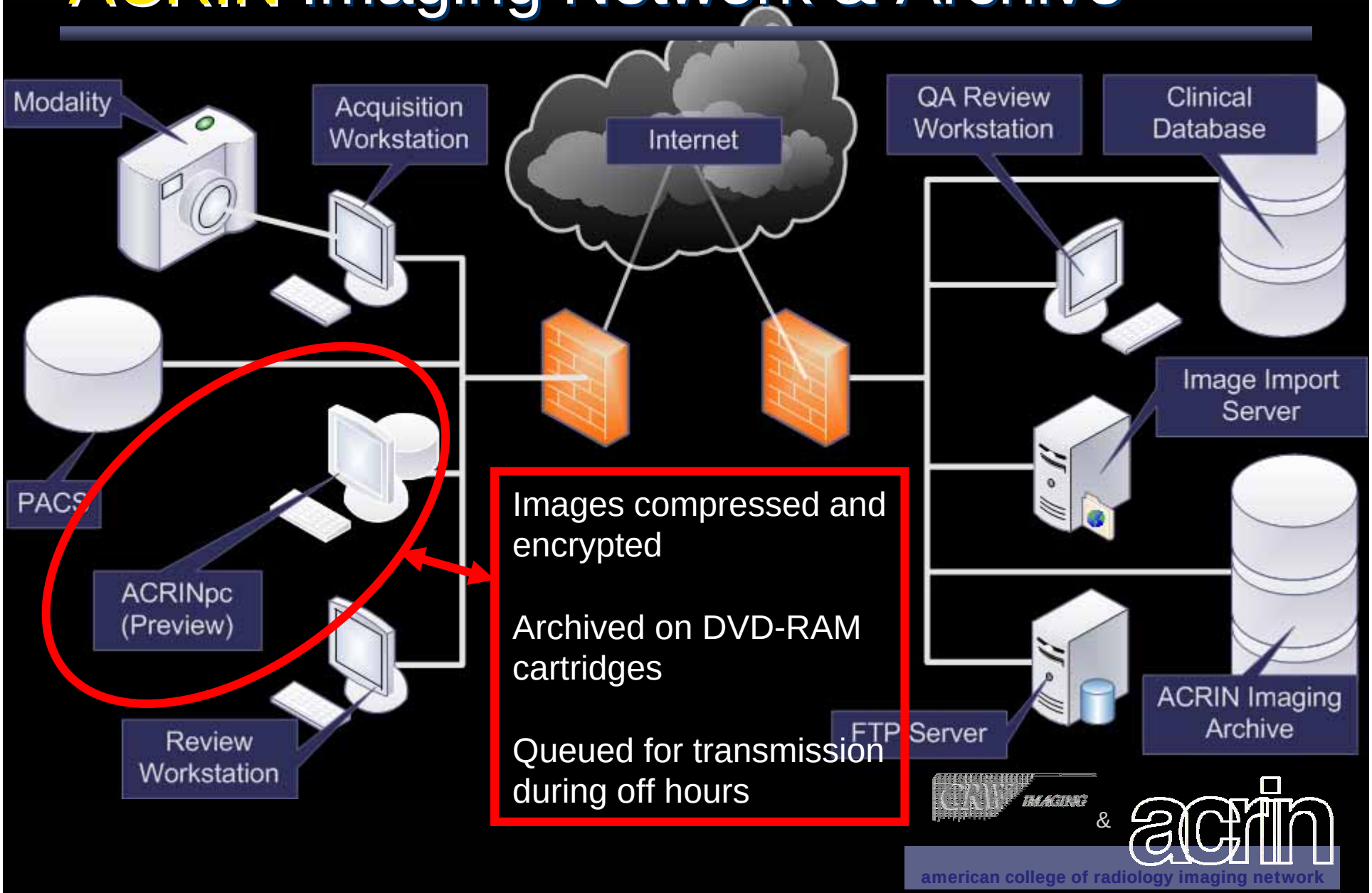

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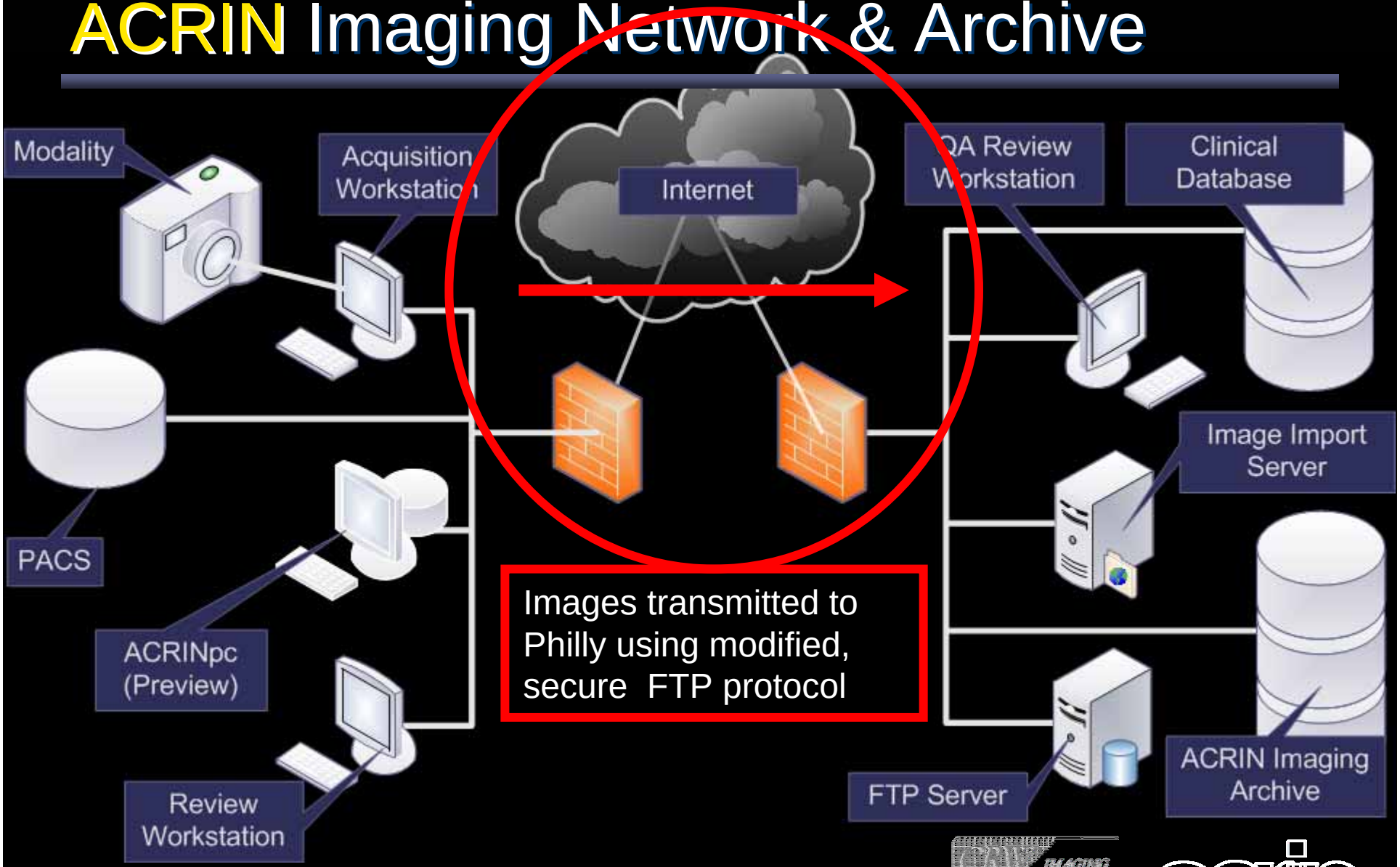

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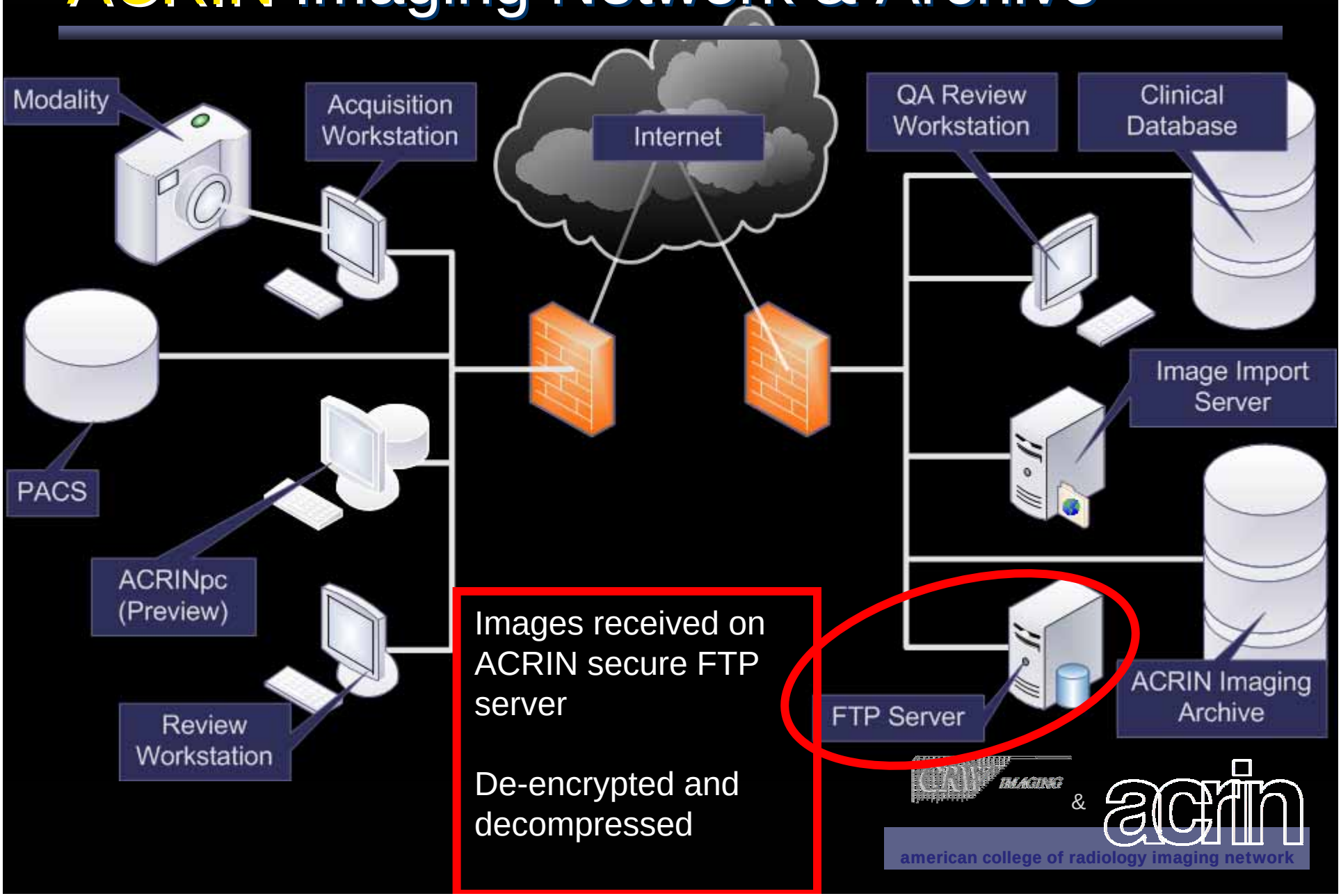

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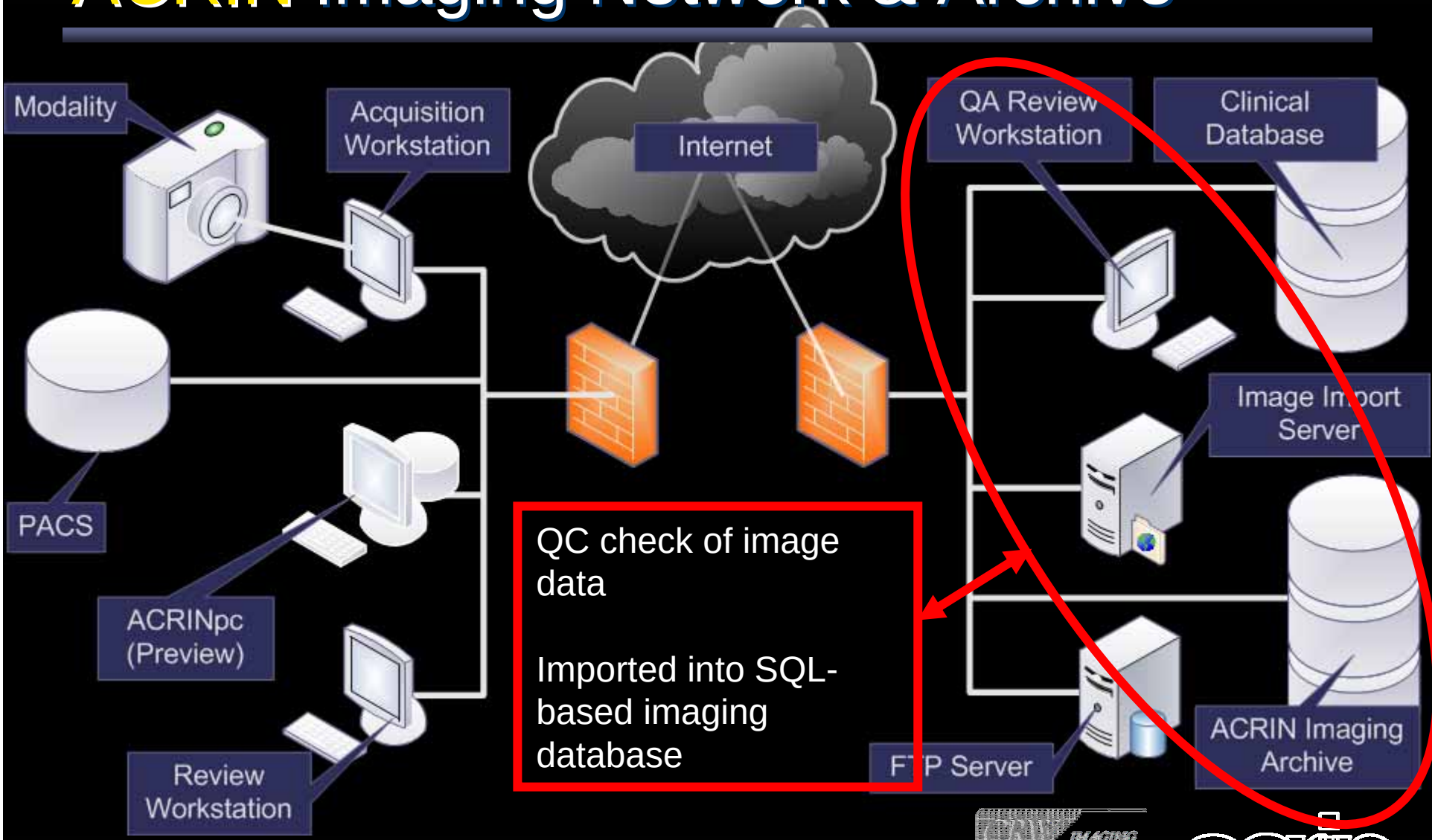

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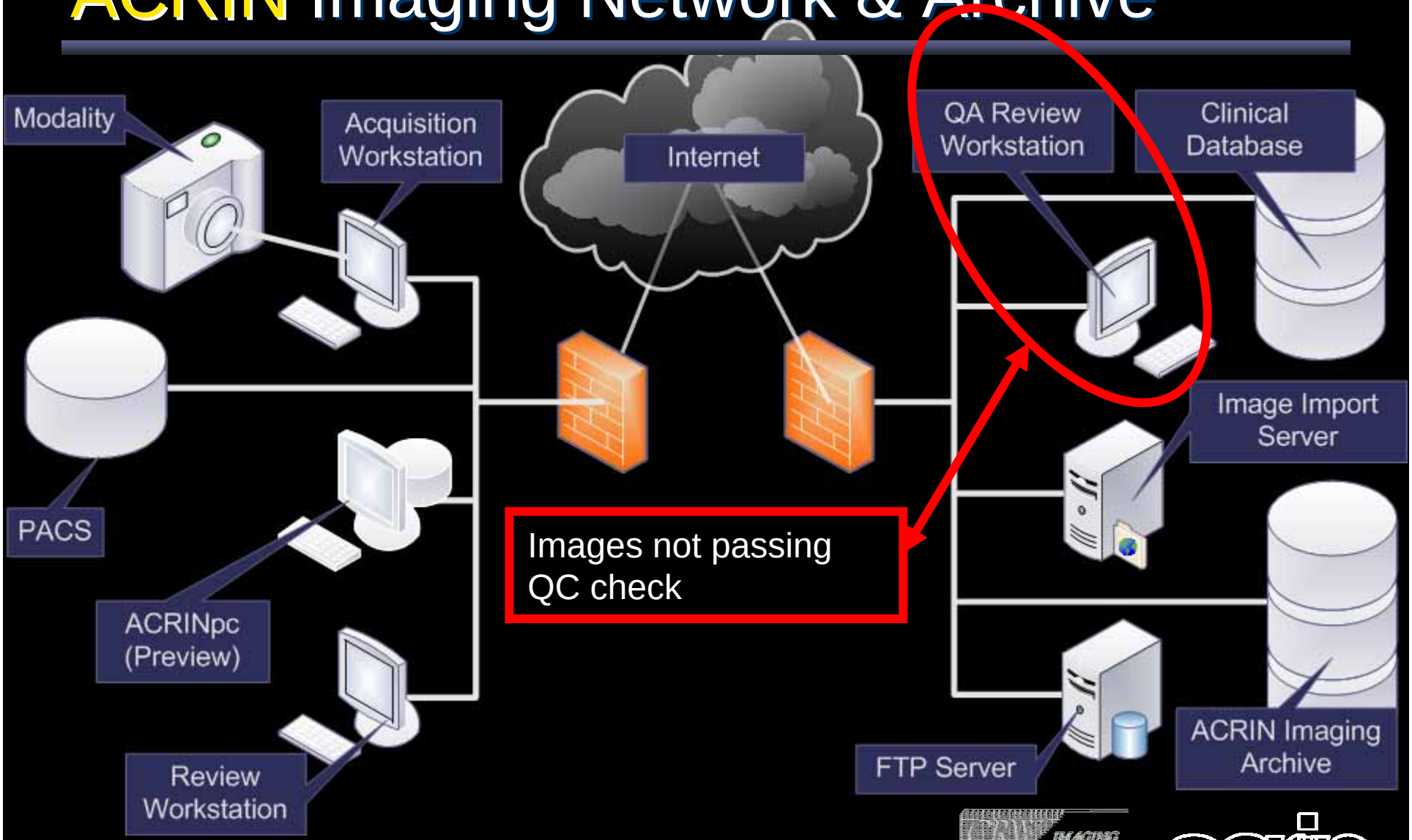

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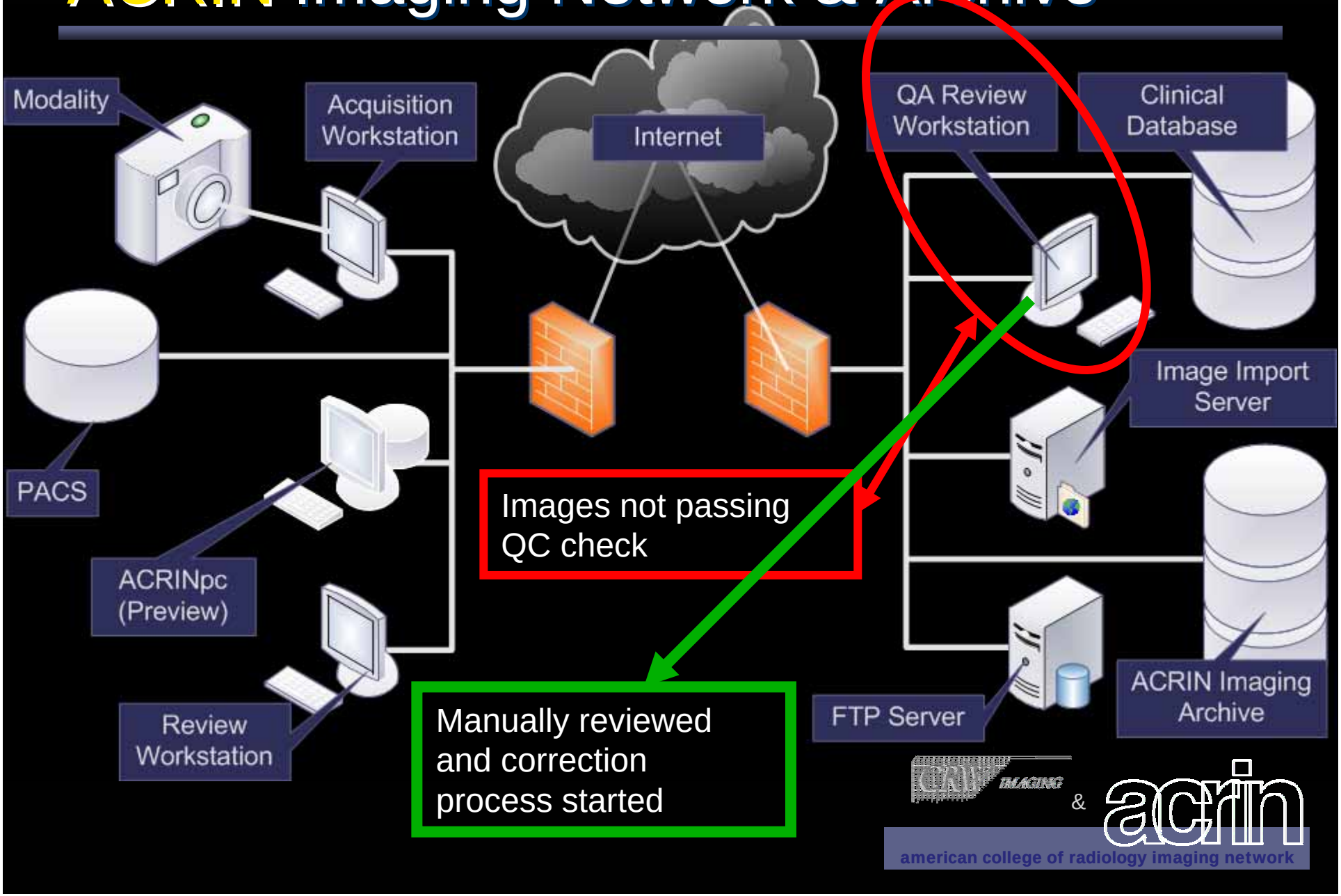

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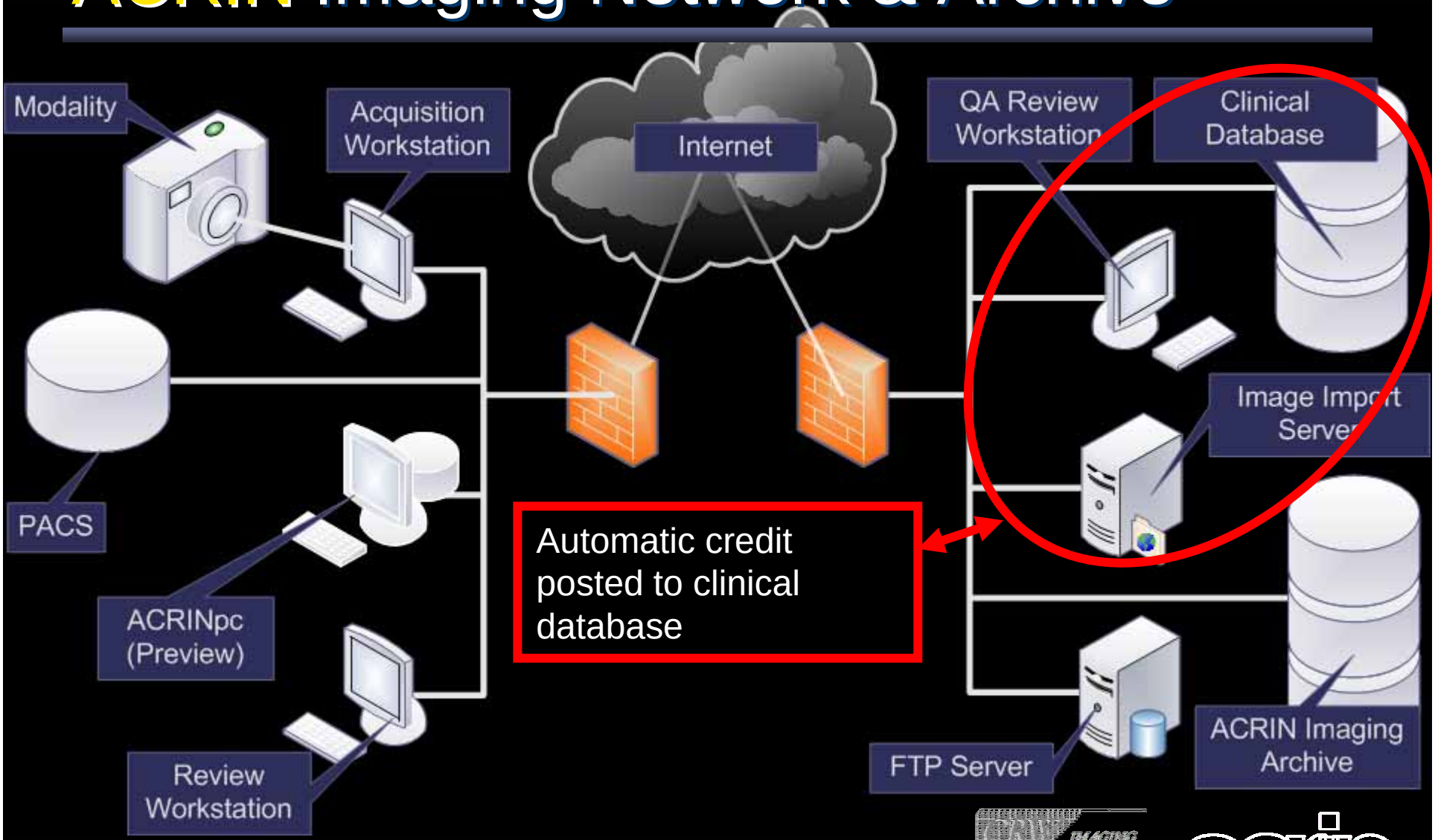

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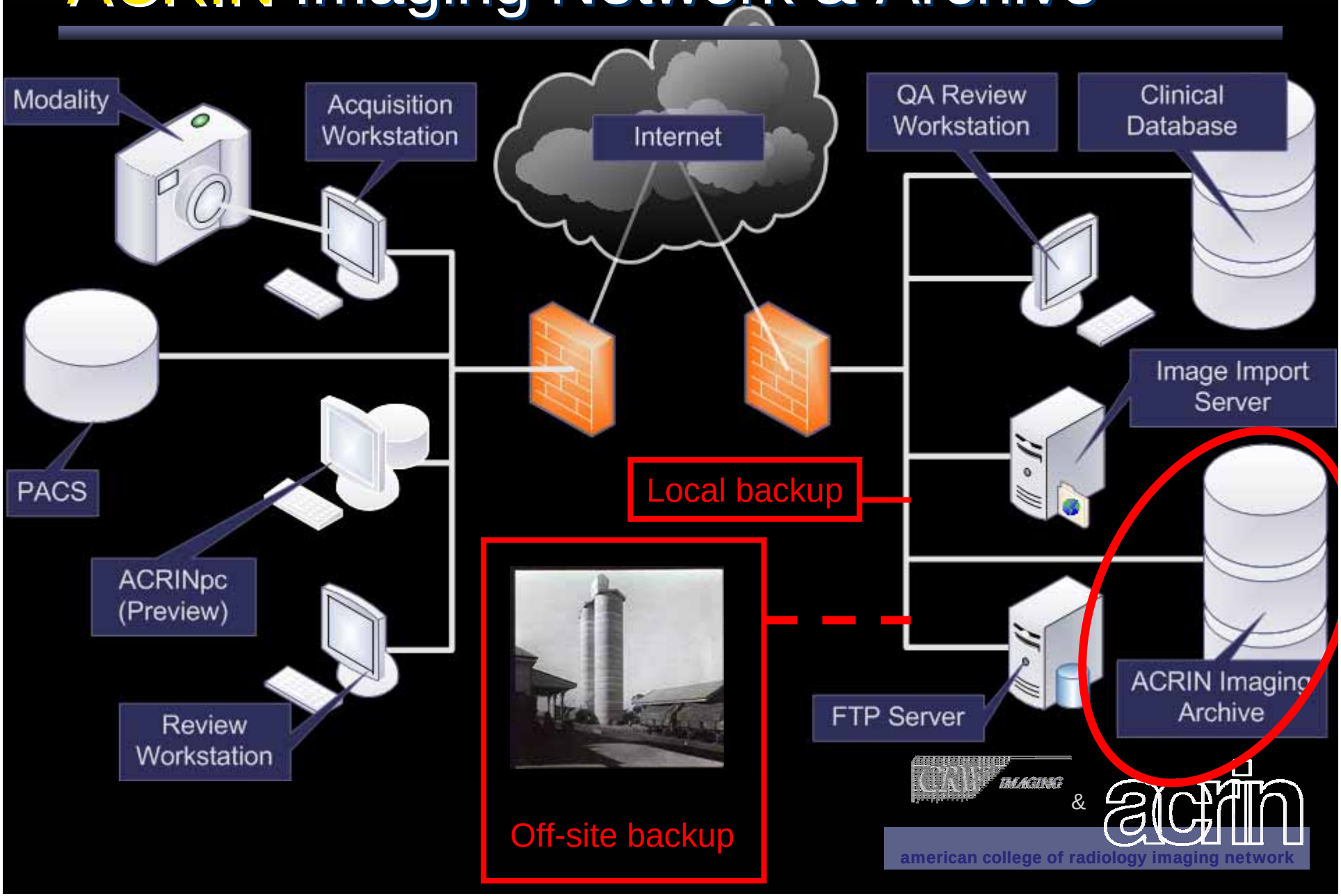

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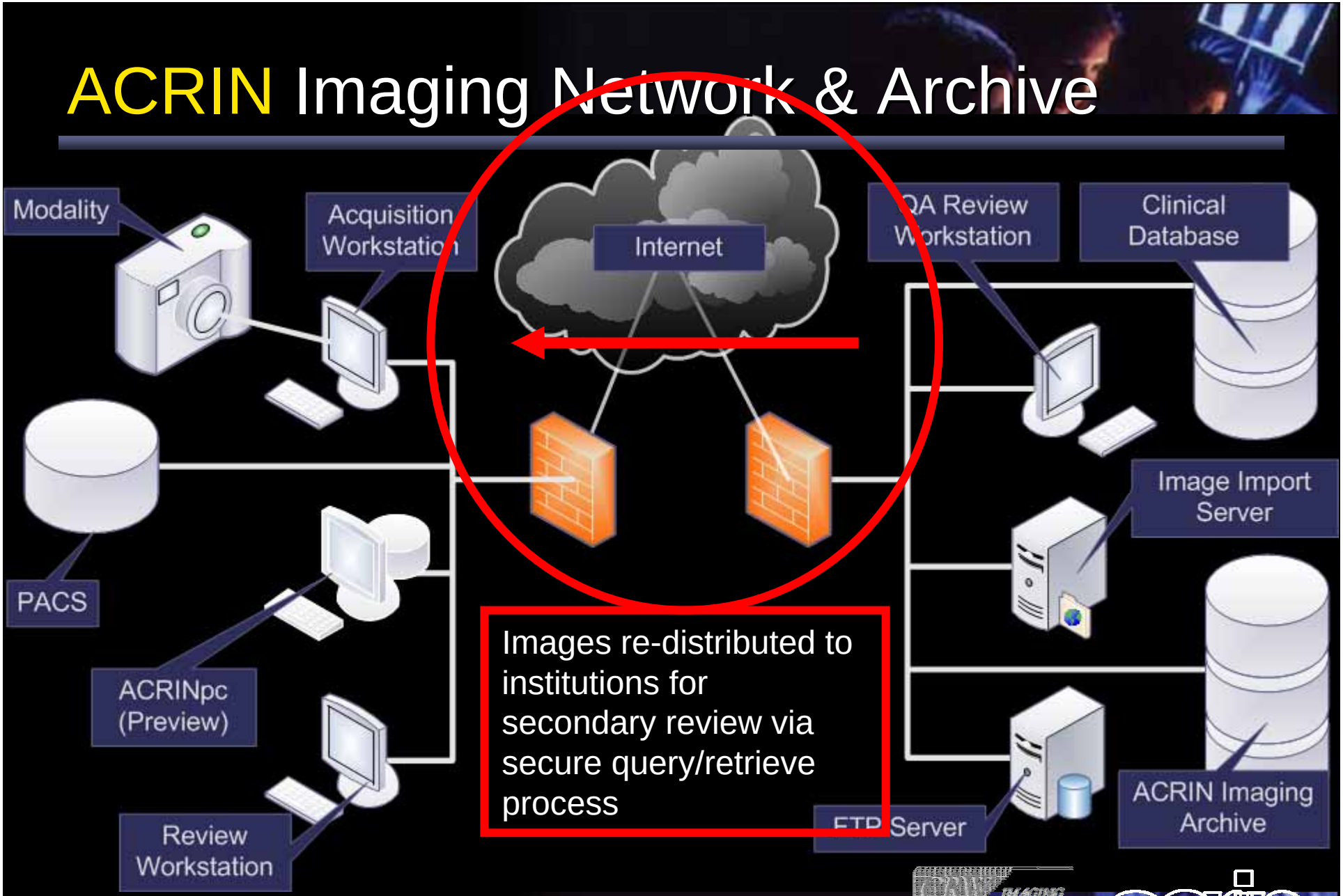

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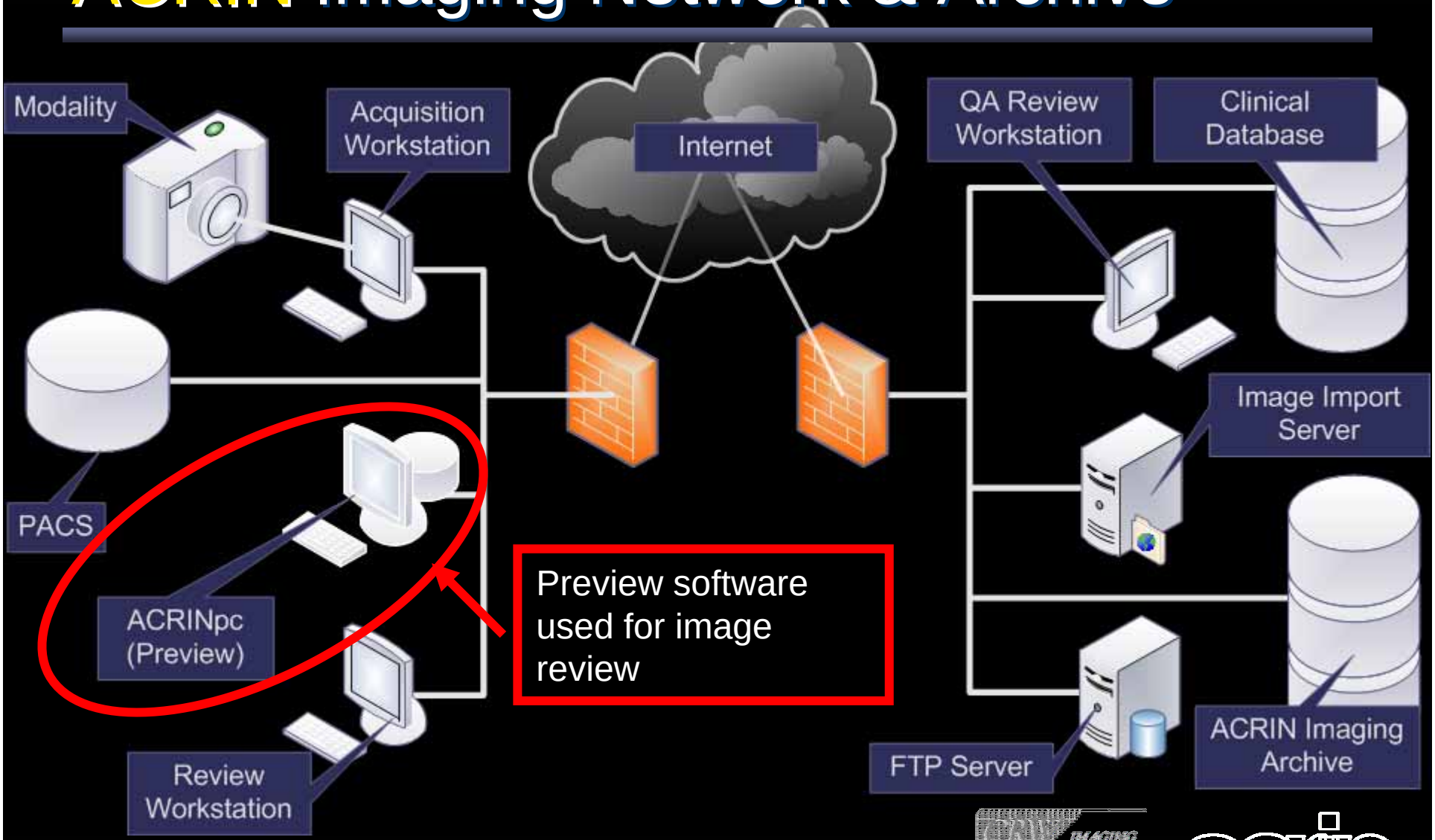

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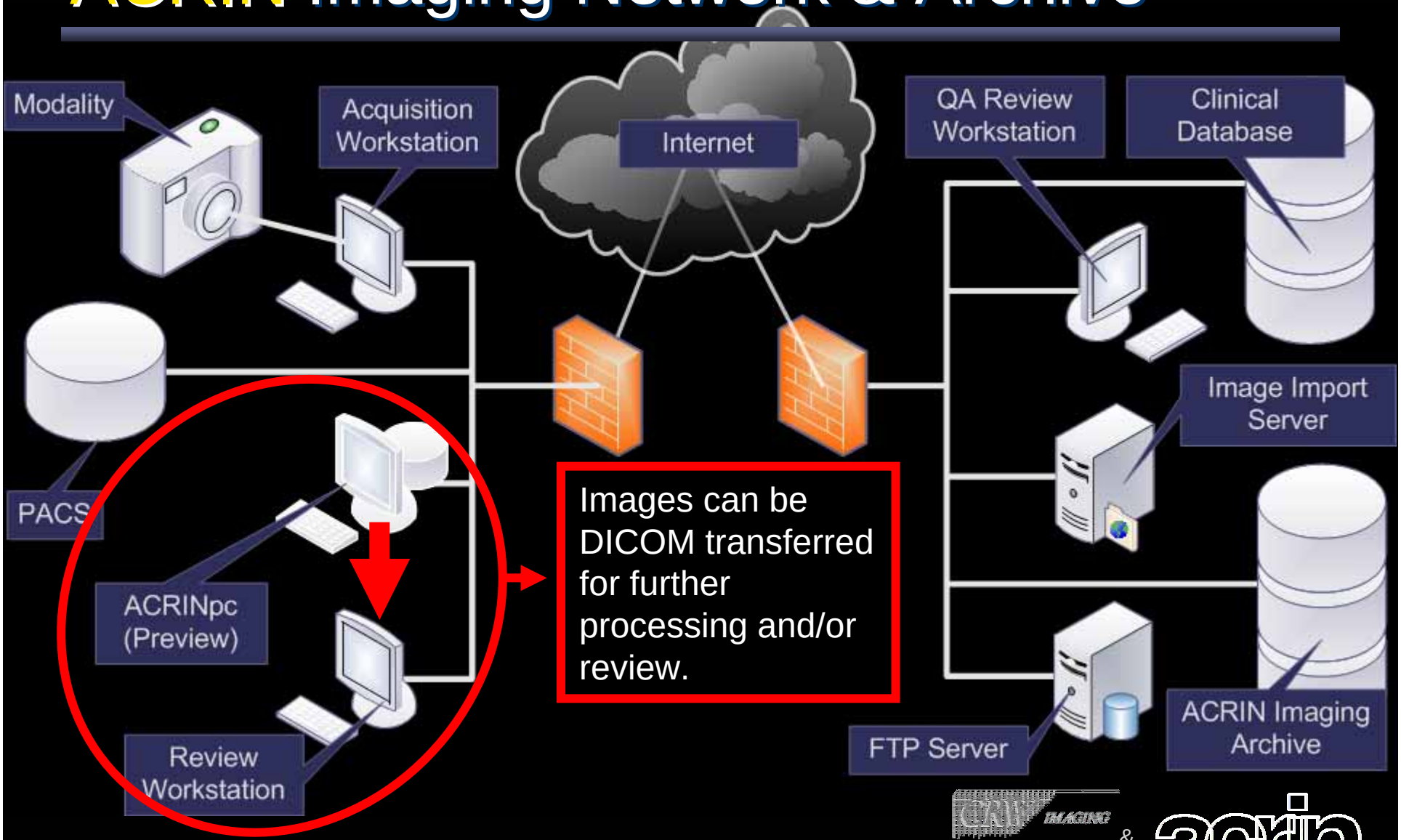

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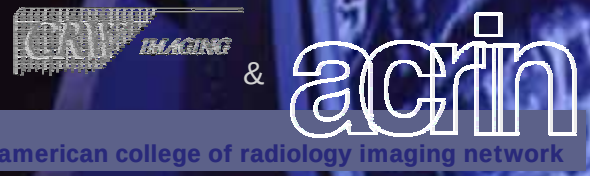
- Preview software distributed to institutions via CD Rom
  - Runs on any computer on the DICOM node
  - No longer requires dedicated ACRIN computer
    - Visit by ACRIN staff no longer needed
    - Installation problems handled via telephone call



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- **Summary – Preview Software**
  - **INSTITUTION LEVEL**
    - **Collects images from several modalities (many manufacturers)**
    - **Modifies DICOM header**
    - **Automatically encrypts and compresses**
    - **Automatically transmits via internet**
  - **ACRIN HQ LEVEL**
    - **Automatically receives images via internet**
    - **Automatically de-encrypts and decompresses**
    - **Automatically performs QC check**
    - **Automatically updates calendar in clinical database**
    - **Prepares selected images for transmission back to sites**
  - **INSTITUTION LEVEL**
    - **Automatically queries HQ for image retrieval**
    - **Serves as review platform**

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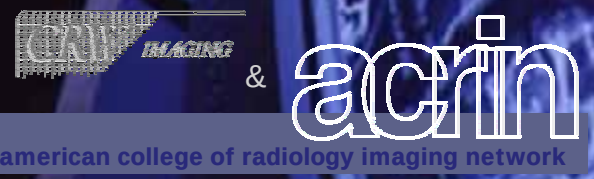
- **FINAL COMMENTS:**
  - **Using system to receive RTOG images from MDACC, UC Davis, Wash Univ**
    - **35 cases so far (MDACC)**
  - **ACR PA tobacco fund settlement money**
    - **ACRIN has established a PET Core Lab**
    - **Review stations from**
      - » **Phillips**
      - » **Siemens**
      - » **GE**
    - **1 trial open (RTOG/ACRIN)**
    - **3 in development**



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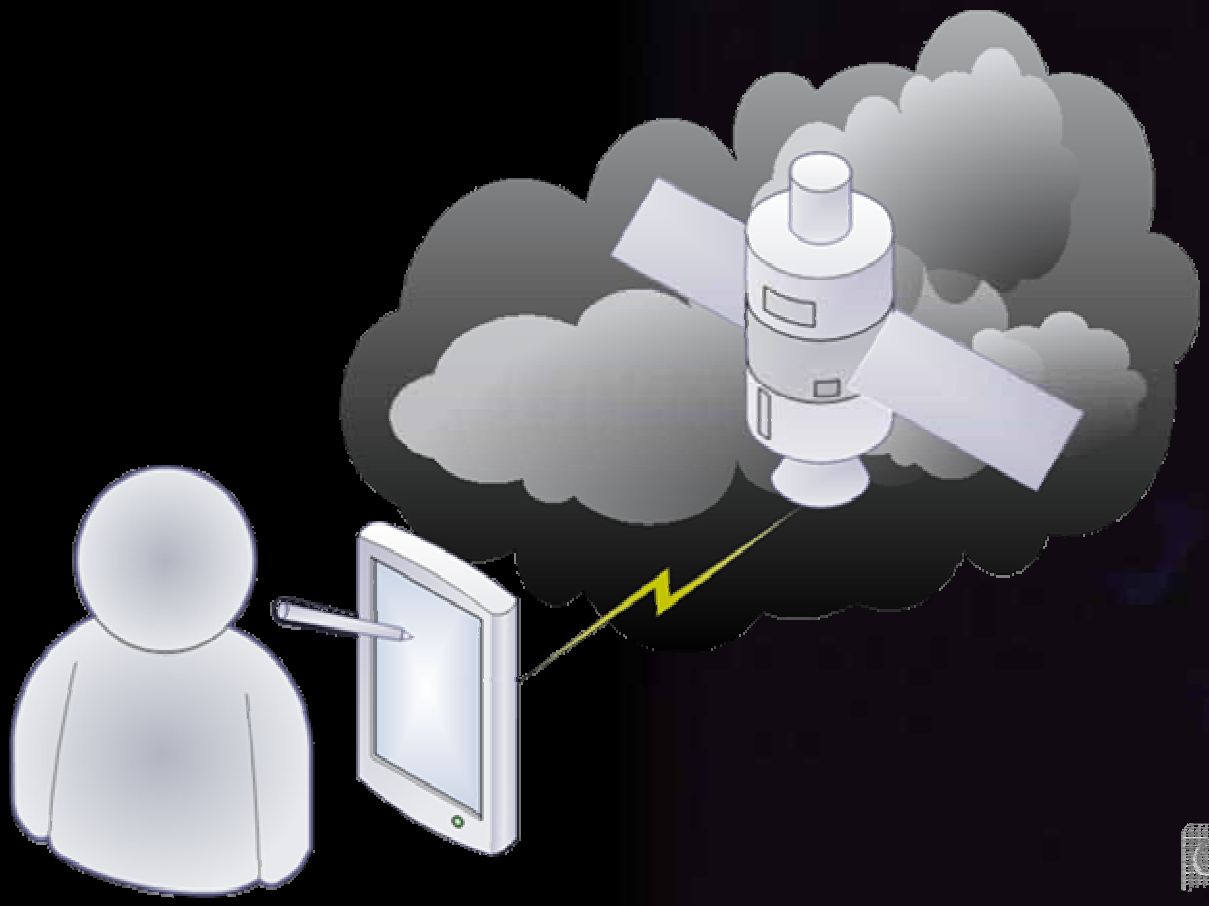
- **Where do we go from here?**



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